

Internation pplication No PCT/FR 03/02053

A: CLASSIFICATION OF SUBJECT MATTER 1/1335 REC'E POT/PTO 3 U DEC 2004

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ccc} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{G02B} & \mbox{G02F} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of t	he relevant passages	Relevant to daim No.
X	EP 1 083 445 A (DAICEL CHEM)		1-25
1	14 March 2001 (2001-03-14) abstract		26
I	page 11, line 35 -page 14, lir	ne 13	20
X	US 6 343 865 B1 (SUZUKI HIROKO 5 February 2002 (2002-02-05) table 4))	1
Y	US 4 930 881 A (TAKASE HIROSH) 5 June 1990 (1990-06-05) column 2, line 59 -column 3,	26	
A	EP 0 768 277 A (NIPPON CATALY) 16 April 1997 (1997-04-16) the whole document	1-26	
		-/	
X Furt	her documents are listed in the continuation of box C.	Patent family members are listed	in annex.
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P document published prior to the international filing date but later than the priority date claimed			
Date of the actual completion of the international search	Date of mailing of the international search report		
24 November 2003	03/12/2003		
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European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Mollenhauer, R		



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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	In
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01 90787 A (SAINT GOBAIN GLASS FRANCE; ALLANO JEAN LUC (FR); MARZOLIN CHRISTIA) 29 November 2001 (2001-11-29) cited in the application abstract	
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Internation Application No PCT/FR 03/02053

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 1083445	A	14-03-2001	EP CN WO JP TW	1083445 A1 1297535 T 0060384 A1 2001124908 A 455699 B	14-03-2001 30-05-2001 12-10-2000 11-05-2001 21-09-2001
US 6343865	B1	05-02-2002	JP JP	11305010 A 2002214413 A	05-11-1999 31-07-2002
US 4930881	A	05-06-1990	JP	1134303 A	26-05-1989
EP 0768277	A	16-04-1997	JP JP DE DE EP US DE EP WO	7328421 A 8060022 A 69528460 D1 69528460 T2 0768277 A1 6200680 B1 69531705 D1 0893409 A1 9533688 A1	19-12-1995 05-03-1996 07-11-2002 23-01-2003 16-04-1997 13-03-2001 09-10-2003 27-01-1999 14-12-1995
WO 0190787	A	29-11-2001	FR AU CA CN CZ EP WO US	2809496 A1 6400801 A 2410396 A1 1430731 T 20023781 A3 1285287 A1 0190787 A1 2003165675 A1	30-11-2001 03-12-2001 29-11-2001 16-07-2003 12-03-2003 26-02-2003 29-11-2001 04-09-2003